Cash Book

Papakura and Kumeu

Few pencil notes on plants seen at Kawau and Coromandel, Thames, and at Rangiriri

Clematis. — Pittosporum

		Clematis	indivisa
		"	hexasepala
		"	patula
		"	paniculata
		"	Colensoi
		Myosurus	aristatus
		Ranunculus	insignis
		"	Berkoli
		"	geraniifolia
		"	pluvialis
		"	Lappaceus
		"	macropus
		"	sceleratus
		"	acaulis
		"	pachyrhizus
		"	limbatus
		Caltha	Nova-Zelandiæ
		Drimys	aromatica
		Hastatulum	palmatum
		Barbarea	vulgaris
		Cardamine	hirsuta
		"	Nyglota
		Lepidium	oleraceum
		"	incisum
		Viola	filicaulis
		"	Cunninghamii
		Melicytus	ramiflorus
		"	Macrophyllus
		"	lanceolatus
		"	crassifolius
		Hymenanthera	crassifolia
		"	latifolia
		Pittosporum	eugenioides
		"	Colensoi
		"	patulum
		"	reflexum
		"	obcordatum
		"	fasciculatum
		"	crassifolium
		"	umbellatum
		"	Eugenioides
		"	Colensoi
		"	tenuifolium
		"	Tenuifolium

Pittosporum — Pomaderris

Pittosporum — intermedium
" — ellipticum
" — nobile
" — Ralphii
" — virgatum
" — Veitchii
Gypsophila — tubulata
Meltzeria — paniculata
" — stationoides
Colobanthus — Billardieri
Spergularia — rubra
Montia — fontana
Cerastium — alpinum
Hypericum — canariense
" — japonicum
Ruscus — aculeatus
" — hypophyllum
Hoheria — populnea
" — Sinclairii
Pittosporum — Tenuifolium
Entelea — arborescens
Aristotelia — racemosa
" — Colensoi
Elaeocarpus — reticulatus
" — hookerianus
Linum — monogynum
Geranium — maderense
" — dilatatum
" — procurrens
" — Traversii
Pelargonium — australe
Oxalis — corniculata
" — magellanica
Tropaeolum — speciosum
Melicope — simplex
" — Mantellii
" — simplex
Dysoxylum — spectabile
Banksia — serrata
Hakea — suaveolens
Pomaderris — elliptica
" — Edgerleyi
" — phylicifolia

Discaria — Myriophyllum

Pasto	Perenne		
		Discaria	Fonmatana
		Adesmia	discaria
✓	✕	Hedysarum	excelsum
✓	✕	Coronilla	varia
✓	✕	Coriaria	ruscifolia
		"	myrtifolia
		"	angustissima
		Carmichaelia	nana
		"	pilosa
✓		"	australis
		"	odorata
		"	flagelliformis
		"	juncea
		Genista	pumilus
✓	✕	Sophora	Tetraptera
✓	✕	Robus	australis
		Edwardsia	microphylla
		Genista	tinctoria
		"	pauciflorum
✓	✕	Acaena	sanguisorba
		"	Nova-Zelandiae
		"	microphylla
	✕	Lavatera	serrata
		Senecio	elliptica
		"	reticulatus
✓	✕	Carpodetus	serratus
		Achaena	rosaefolia
		Ourisia	sub-scapa
		"	racemosa
		Tillaea	moschata
		"	verticillaris
		"	debilis
		"	purpurata
		Drosera	arcturi
		"	pygmaea
		"	spathulata
		"	binata
✓	✕	"	auriculata
		Haloragis	alata
		"	tetragyna
		"	depressa
		"	procumbens
✓		Myriophyllum	elatinoides
		"	varifolium
		"	robustum
		"	pedunculatum

Gunnera – Hydrocotyle

Bab	Bennett				
		Gunnera	manicata	×	
		"	prorepens		
✓		Callitriche	verna	×	
✓		Leptospermum	scoparium	×	
✓	×	"	lanigerum	×	
✓	×	Melaleuca	ericifolia	×	
		"	lucida	×	
		"	alboflora	×	
		"	diffusa	×	12
✓		"	hypericifolia	×	
		"	Columbaei		
✓	×	"	roborata	×	
✓		"	tamariscina	×	
✓	×	"	scandens	×	
✓	×	Myrtus	pallida	×	
		"	Ralphii		
		"	obcordata		
		"	pedunculata		
		Eugenia	Ugni	×	13
✓		Fuchsia	excorticata	×	
	×	"	Colensoi		
		"	procumbens		
		"	Kirkii		
✓		Epilobium	nummularifolium		×
		"	linnaeoides		
		"	confertifolium		
		"	alsinoides	×	
		"	microphyllum		
✓	×	"	rotundifolium		9
		"	Habellum		
		"	Brevicaule		
✓		"	Chamaenerion	×	
		"	junceum	×	
✓		"	pubens	×	
		"	Billardieri	×	14
✓		"	palleifolium	×	
✓	×	Panax	arborea	×	
		Hedera	angulata	×	15
		Microsemapaulina	anomala	×	
		Schaegofera	excelsa		
		"	Hegyna		
✓		Hydrocotyle	elongata	×	
		"	americana		
		"	asiatica	×	
		"	moschata		

Hydrocotyle — Alocasia

Rafe

Hemsley

		Hydrocotyle	dissecta		
		"	heterosciadia		
		"	pleurocarpa		
		"	nova-Zelandiæ		
		"	moschata	×	
		"	macrophylla		
		Bowlesia	tropæolifolia		
		Aciotis	laciniata		
		Apium	australe	×	10
		"	petroselinum	×	
		"	leptophyllum Benth.		
		Eryngium	bioscultatum		
		Oreomyrrhis	Colensoi		
		Actinophyllum	Sequarrosa		
		"	Colensoi		
		Sciadotænia	Gingrdinum		
		"	rodrigoliæ		
		"	Gerardiana		
		Daucus	Carota	×	
		Physotis	discolor		
		"	simplex		
		"	Edgerleyi	×	
		"	anomalum	×	17
✓	×	"	cyperifolium		
		"	Sessiliflorum	×	16
		"	Colensoi	×	18
✓	×	"	asperrimum	×	
		"	Sinclairii		
✓	×	Gingidia	lucida	×	
		"	Cattoralis	×	
✓	×	Schizeilema	depilatum	×	
		Helosciadium	Sinclairii		
	×	Cortinia	pedicellaris	×	
		"	Colensoi		
		Lorantheum	Colensoi		
		"	tetrapetalum		
		"	Cunninghamii		
		"	flavidum		20
		"	microanthum	×	
		"	decurvatum	×	
		Scandia	antarctica	×	
		Podosciadium	Sabscorioides		
✓		Alocasia	macrophylla	×	
	×	"	Cucullifolia	×	21
		"	Banksii		
		"	lancifolia		

Coprosma — Selinusia

	Coprosma	lucida	×
	"	grandifolia	×
	"	Baueriana	×
	"	pilosiata	
	"	robusta	×
	"	Cunninghamii	
	"	acutifolia	
	"	spathulata	×
	"	n. sp.	
	"	rhynchodifolia	×
	"	tenuicaulis	
	"	thamnoides	
	"	divaricata	
	"	parviflora	
	"	propinqua	×
	"	foliosissima	
	"	Colensoi	
	"	cuneata	
	"	acerosa	
	"	depressa	
	"	microcarpa	
	"	linariifolia	×
	"	repens	
	"	pumila	
	Nertera	Cunninghamii	×
	"	setulosa	
×	"	depressa-rotundifolia	×
	Galium	tenuicaule	
	"	umbrosum	
	Asperula	perpusilla	
	Oldenlandia	pulchra	×
	"	nitida	
	"	dentata	
	"	Gracilis	
	"	Cunninghamii	×
	"	Brunoniana	
	"	Forsteri	
	"	albida	×
	"	Virgata	
	"	Novaudiæ	×
	Selinusia	incana	
	"	Spectabilis	
	"	Cunninghamii	
	"	Gaudichaudiana	
	"	Brunoni	

Tettadinia — Senecio

Pasto	Roma			
		Tettadinia	anchalus	
✓		Sagenophora	Poteri	×
✓	×	"	petiolata	×
		"	Canata	
		"	pennabefida	
		Brachycome	odoriata	
		"	Spelaurii	
		Bidens	Pilosa	×
		Rhotanella	Ruella	
✓	×	Cotula	Crossopifolia	×
		"	anchalis	×
✓		"	minor	
		"	pusuilla	×
		"	debica	
		"	Iguatida	
		"	Vgiuuta	×
		Cuspidia	punticiata	
		Castenia	Citrata	
		"	Ceptoptylla	
		"	Palcida	
		"	Vauvilliersii	
		Orothamnus	Speciosus	×
		"	Cancolatus	
		Ranulia	anchalis	
		"	Stenocarpa	×
		"	grandiflora	
		Gnaphalium	Prostratum	
		"	Helidioides	
✓		"	Keneuse	×
		"	filicaule	
		"	Cultis-altum	×
✓		"	Colensoi	
✓		"	Involucratum	×
		"	collinum	×
		Erechtites	prenanthoides	
		"	acuta	
		"	Scabenula	× 24
		"	quadridentata	×
		Senecio	Elegans	
✓		"	Latifolius	
		"	Saxifragoides	× 95
		"	Colensoi	
		"	odoratus	
		"	Glastifolius	×
		"	pendulinus	

Senecio – Dracophyllum

		Senecio	Greyii
		"	Sledgnifolius
✓	×	Brachyglottis	Bellidioides
		Microseris	Forsteri
		Crepis	Novæ-Zelandiæ
		Taraxacum	dens-leonis
		Picris	Helminthioides
✓		Ipochæris	glabra
		Forstera	Bellidioides
		Helichrysum	Coralloides
		Stylidium	graminifolium
✓		Wahlenbergia	gracilis
			saxicola
		Coronopus	Physaloides
✓		Lobelia	anceps
✓	×	Pratia	angulata
			perpusilla
		Selliera	radicans
	×	Gaultheria	antipoda
		"	depressa
		"	fagifolia
		"	oppositifolia
	×	Gaultheria	decussata
		"	rotundata
		"	empetrifolia
		"	Colensoi
✓	×	Leucopogon	fasciculatus
			Fraseri
		Cyathodes	pumila
		Epacris	pungens
	×	"	paludosa
		"	Stuckeana
		"	alpina
		Archeria	Traversii
		"	racemosa
	×	Dracophyllum	latifolium
		"	Traversii
		"	strictum
		"	squarrosum
		"	recurvum
		"	longifolium
		"	Urvilleanum
		"	subulatum
		"	linifolium

Gratiosine — Veronica

✓	Gratiosine	Salicina	×
✓	"	Aucklii	×
	"	decussata	×
	"	montana	
	Parsonsia	albiflora	×
✓	"	rosea	
	Sagina	depressa	
✓	Samolus	repandus	×
	Gentiana	montana	
	"	plemagyna	
	"	saxatilis	
	Selaginella	ovalis	
	Selago	spuriosa	
	"	antarctica	
	"	australis	
	"	Forsteri	
	Senecio	petiolata	
	"	saxosa	
	Simplocos	cellulosa	×
	Olea	apetala	
	"	cunninghamii	×
	"	lanceolata	×
	"	montana	
	Sipata	crustata	
✓	Solanum	aviculare	×
	"	laciniatum	×
	"	nodiflorum	×
	"	marginatum	×
	"	umbrosum	
	Spergula	tuberculata	
✓	Stychondra	repens	×
✓	Solanum	aviculare	×
	"	laciniatum	
	Calceolaria	scabiosaefolia	
	"	repens	
	Stemmulus	repens	
	"	Cotyledon	
	"	radicans	
	Stellaria	pumila	
	Gratiola	latifolia	
	"	serrulata	
	"	nana	
	Stylidium	graminifolium	
	Samolus	aquatica	
	Veronica	speciosa	

Suaeda — Veronica

		Veronica	brachyrrhyncha
		"	calycistyla
		"	cardiocarpa
		"	cupressoides
		"	decussata
		"	diosmaefolia
		"	elliptica
		"	glauca
		"	hectorii
		"	hulkeana
		"	lanceolata
		"	lavaudiana
		"	macrocarpa
		"	odora
		"	parviflora
		"	pimeleoides
		"	propinqua
		"	pubescens
		"	salicifolia
		"	speciosa
		"	stricta
		"	subalpina
		"	traversii
		Veronica	vernicosa
		"	virgata
		"	Wormaldiana
		Veronica	Wormaldiana
		Chenopodium	album
		"	ambrosioides
		"	carinatum
		"	glaucum
		"	hybridum
		"	murale
		"	opulifolium
		"	pumilio
		"	rubrum
		"	urbicum
		"	vulvaria
		Suaeda	australis

Atriplex – Ascarina

	Atriplex	Cuneata		
	"	patula		
	"	Billardieri		
	Salsola	Kali		
	Salicornia	indica	×	
	Alternanthera	sessilis		
	Telanthera	Ficoides		
	Polygonum	Hydropiper	×	
	"	aviculare	×	
	Muehlenbeckia	adpressa	×	
	"	complexa	×	
	"	australis		
	"	Ephedroides		
	Rumex	pleurostachys	×	
	Telanthera	salicornia	×	
	Pseudopanax	Lessonii	×	
	"	simplex	×	
	Carpha	paniculata		
	Athrosperma	moschatum – Billardieri	×	
	Pedycarya	dentata	×	
	Pimelea	arctica	×	
	Pittosporum	Tenuifolium	×	
	Pimelea	longifolia	×	
	"	Gnidia		
	"	virgata	×	
	"	buxifolia		
	"	arenaria		
	"	Urvilleana		
	"	prostrata	×	
	"	hypericina		
	Daphne	Pimeleoides		
	Santalum	Cunninghamii	×	
	Euphorbia	glauca	×	
	Phyllanthus	Microcladus		
	"	ferdinandi	×	
	"	Billardieri		
	"	Ericoides		
	Epacris	pulchella	×	
	Urtica	incisa		
	"	australis		
	"	ferox		
	Parietaria	debilis	×	
	Anisotome	pilifera		
	Elaeocarpus	Reticulatus		
	Ascarina	lucida		

Peperomia — Polygonum

Pub	Herb			
✓	×	Peperomia	dahlianum	×
		Piper	Ekmanianum	×
✓	×	Pannaria	sinhalica	×
		Stictocephalus	Zeylanicus	
		"	Zeylanicus	
✓		Pothomorphe	peruviana	× 37
✓		"	trivalis	
✓	×	"	Tonga	×
✓	×	"	Spicata	×
✓	×	"	Wacydioides	×
✓	×	Wacydium	capitellatum	×
		"	Ceylonicum	
		"	Zeylanicum	×
	×	Phyllocladus	hypophyllus	×
		"	glauca	×
		"	alpina	
✓	×	Canna	edulis var. nalica	×
✓	×	"	Iridiflora	×
✓	×	Pandorina	Cunninghamii	
✓		Sparganium	Ramosum	×
	×	Podophyllum	Pygmaeum	×
		Sarcolaena	Cunninghamii	
		Acianthus	Zeylanicus	×
		Cryptocylis	oblonga	
			undulata	
		Corysanthes	bicalcarata	× 37
		"	oblongifolia	
		"	rotundifolia	
	×	"	Gunniana	×
✓	×	"	Wightiana	×
		"	Queenslandica	
✓	×	Mucuna	Pruriens	×
		Caladenia		
		"	Lyallii	
		"	Patersonii	
✓	×	Pterostylis	Blankoorii	×
		"	Graminea	
		"	Concinnula	
		"	Vittata	
		"	Multifida	×
		"	Patentula	
		"	Squamata	
		Thelymitra	Carnea	
	×	Polygonum	Lapathifolium	×
		"	Persicaria	×
		Adenochilus	Gracilis	×

Melymuxia – Herpolirion

	Melymuxia	Cunninghamii	
	"	umbellata	
	Spyranthes	australis	
	Caleoplylum	Cunninghamii	
	"	pumilum	
	"	pumilionum	
	Orthoceras	strictum	×
	Lisetrina	picta	×
	"	grandiflora	
	"	micrantha	×
	Hypoxis	pusilla	×
✓	× Hypoxicneitra	Banksii	×
✓	× Typha	angustifolia	×
✓	Sparganium	simplex	
	Lemna	minor	
	"	gibba	
	Triglochin	striatum	×
	Potamogeton	natans	
	"	Polygonifolius	
	"	Hydrophylloides	
	"	Cunninghamii	
	"	pectinatus	
	Lepidia	maritima	
	Zannichellia	palustris	
	Zostera	Marina	×
✓	× Hydrogeton	fenestralis	×
	Cladium	junciformis	×
✓	Cordyline	Banksii	×
✓	× "	australis	×
	"	indivisa	
	"	pumilio	×
	× Dianella	intermedia	×
	× Astelia	Cunninghamii	×
	"	Cunningh.	
	"	nervosa	
	"	Banksii	×
✓	× "	Solandri	×
	"	Banksii	×
	"	Forsteriana	
	× "	Menziesia	×
	Arthropodium	cirratum	×
✓	"	candidum	×
✓	× Phormium	tenax	×
	"	Cookianum	×
	Herpolirion	Nova-Zelandiae	

Areca — Carex

pab	Name			
✓	×	Areca	Catechu	×
		Strychnos	Nux vomica	×
	×	"	Potatorum	
		"	Wightiana	×
	×	"	Colubrina	
	×	"	Ignatii	×
	×	"	Tieute	×
		"	Multiflora	
		"	Spinosa	
		"	Pseudoquina	
✓	×	Luvunga	Scandens	×
		"	Corymbosa	
		Glycosmis	Simplex	×
		Glycosmis	Cochinchinensis	
		Micromelum	Pubescens	
✓	×	Cyperus	Distans	
	×	"	Tuberosus	
✓		Schoenus	Nigricans	×
		"	Ferax	×
		"	Tenax	×
		"	Junciformis	
		"	Paniculatus	
		"	Brownii	×
		"	Compressus	
		"	Setaceus	
		Carphalea	Alpina	
		Scirpus	Maritimus	×
		"	Lacustris	
		"	Triqueter	×
		Eleocharis	Plagiostachys	
		"	Acuta	×
		"	Fistulosa	×
		Fimbristylis	Diphylla	×
		"	Prolifera	×
		"	Ferruginea	
		"	Cymosa	
		"	Dichotoma	
		"	Pauciflora	
		Mariscus	Sieberianus	×
		Fimbristylis	Dichotoma	
✓		Kyllinga	Monocephala	×
✓		"	Triceps	×
		"	Intermedia	
		"	Cruciata	×
		"	Pumila	×
		"	Sanguinea	×

Galinsoga – Heterotheca

	Galinsoga	Telefolia	×
	"	hirsuta	
	"	Heterotricha	×
	"	Heterotricha	×
	"	arenaria	×
	Senecio vulgaris	Heterogena	
	"	crucifolia	
	Arctotheca	Pinnatifida	
	Bellis	Perennis	
	"	Compacta	
✓	"	Annua	×
	"	Pinnatifida	
	"	Hispida	
	"	Superba	
	"	Japonica	
	"	Barbarea	×
	"	Rupestris	
	Carex	Pyrenaica	
	"	Arcuata	
	"	Inversa	
	"	Polonica	
	"	Stellulata	
	"	Pallescens	
✓ ×	"	Vulgata	×
	"	Gaudichaudiana	×
✓ ×	"	Fontana	
	"	Cinerea	×
	"	Elatior	
✓	"	Caroli	
	"	Lucida	×
	"	Pumila	×
	"	Forsteri	×
	"	Hirsutissima	×
	"	Hispida	
	"	Hirsuta	
✓ ×	"	Acuta	
	"	Gaudichaudiana	×
	Juncus	Maritimus	×
	Arbutus	Unedo	×
	Mesembryanthemum	Edule	×
✓ ×	"	Nodiflorum	×
	Aloe	Arborescens	×
	Heterotheca	Grandiflora	
	"	Pedunculata	
	"	Alpina	

Spinifex — Gymnostachyum

	Spinifex	hirsutus	
	Harpachne	diffusa	×
✓	Panicum	sciofocutatum	×
	Pachne	umbellata	×
	Pachne	anthaliis	×
	Eragrea	pungens	
	Echinopogon	ovatus	×
	Echebachne	subporosa	×
	"	cuneata	×
	"	scaura	×
	Apera	arundinacea	
✓ ×	Sporobolus	elongatus	×
	Agrostis	antarctica	
	"	canina	
	"	pauciflora	
✓	"	aemula	×
	"	pilosa	
	"	billardieri	×
	"	atrophia	
	"	subaristata	×
✓ ×	Aira	caespitosa	×
	Deschampsia	cinnamomea	
	"	brunnescens	
	"	pauciflora	
	"	flexuosa var. laxa	×
	"	aemula	
	Deschampsia	caespitosa	
	Trisetum	antarcticum	
	"	subspicatum	
	Glyceria	fluitans	
	Glaberia	antarctica	
	Poa	imbecilla	
	"	poiophylla	
	"	anceps	×
	"	australis	1
	"	flaccida	
	Festuca	Gilgiana	
	"	scoparia	
	"	subnuscula	
	Bromus	arenarius	
	Festuca	pauciflora	×
	"	scabrata	×
	Gymnostachyum	graeile	

Gleicheniæ — Adiantum

Pteris	Lomaria			
	×	Gleichenia	circinata	×
		"	discarpa	
	×	"	cunninghamii	×
		"	flabellata	
		"	dicarpinea	
✓	×	Gaethea	medullaris	×
✓	×	"	dealbata	×
		"	cunninghamii	
✓		"	Southii	×
		Alsophila	Colensoi	
✓	×	Dicksonia	squarrosa	×
		"	antarctica	
		"	lanata	×
	×	Hymenophyllum	cumbridgense	×
		"	ambatrale	
		"	minimum	
		"	Cheesemanii	
		"	Crosbie	×
		"	Raoulopetalum	×
	×	"	Lamba	×
		"	pulcherrimum	
✓	×	"	dilatatum	×
✓	×	"	Javanicum	×
✓	×	"	Polyanthos	×
✓	×	"	demissum	×
✓	×	"	scabrum	×
✓	×	"	flabellatum	×
	×	"	rufescens	×
		"	Lyallii	×
		"	obtusatum	
/	×	Trichomanes	venosum	×
		"	strictum	×
	×	"	elongatum	×
		"	rivulare	×
✓	×	"	venosum	×
		"	Colensoi	
		"	flabellifolium	
		Loxsoma	Cunninghamii	×
		Cystopteris	fragilis	
		Davallia	Tasmanii - Zelandica	×
		Lindsaya	linearis	×
		"	Cheesemanii	×
	×	"	Lessonii	×
✓		Adiantum	Trapeziforme	×
✓	×	"	Affine	×

Adiantum Aspidium

		Adiantum	athiopicum
		"	pumilum
✓		"	Cunninghamii ×
✓	×	"	pubens ×
	×	Hypolepis	tenuifolia ×
		"	subdeltoidea
		"	distans
		Cheilanthes	tenuifolia ×
		Pellaea	falcata
✓		"	rotundifolia ×
✓	×	Pteris	aquilina ×
✓	×	"	geaberula ×
✓	×	"	serrulata ×
	×	"	tricarpa ×
		"	praecincta ×
		"	tenuis ×
✓	×	Lomaria	filiformis ×
✓	×	"	patens ×
		"	fluviatilis ×
		"	penniramea ×
		"	pumila
		"	Vulcanica ×
		"	elongata ×
✓		"	lanceolata ×
✓	×	"	discolor ×
		"	attenuata
		"	alpina
		"	Banksii
		"	nigra ×
✓	×	"	Hazeni ×
✓		Doodia	concava
✓		"	media ×
		"	caudata
		Asplenium	obtusatum ×
✓	×	"	lucidum ×
✓		"	flabellifolium ×
✓	×	"	falcatum ×
		"	Shortenianum ×
✓		"	bulbiferum ×
✓	×	"	flaccidum ×
		"	auriculatum
		Aspidium	aculeatum
✓		"	Richardii ×
		"	ovulatum
		"	Cystopteroides

Aspidium — Isoetes

✓	×	Aspidium	Coriaceum	×
		Nephrodium	Molle	
		"	Thelypteris	
		"	Noveboracense	×
✓		"	decompositum	×
✓	×	"	Dilatatum	×
		"	Goldianum	
		Nephrolepis	tuberosa	
	×	Polypodium	Incanum	×
✓	×	"	Grammitidis	×
		"	Cambricum	×
		"	Sylvaticum	×
✓	×	"	Vulgare	×
✓	×	"	Phegopteris	×
✓	×	"	Dryopteris	×
✓	×	"	Connectilis	
✓	×	"	Polypodioides	×
		Gymnogramme	Leptophylla	
		"	Triangularis	
		Pellaea	Gracilis	
		Adiantum	Pedatum	
✓	×	Cheilanthes	Vestita	×
		Pteris	Aquilina	
✓	×	Asplenium	Trichomanes	
		"	Ruta muraria	
		"	Filix fœmina	
		"	Thelypteroides	
		"	Angustifolium	
		"	Acrostichoides	
		"	Ebeneum	
		"	Platyneuron	
		"	Rhizophyllum	
		"	Ruta muraria	
		"	Trichomanes	
		"	Viride	
		Camptosorus	Rhizophyllus	
		Scolopendrium	Vulgare	
		Woodsia	Ilvensis	
		"	Obtusa	
		Cystopteris	Fragilis	
		"	Bulbifera	
		Onoclea	Sensibilis	
		Struthiopteris	Germanica	
		Osmunda	Regalis	
		"	Cinnamomea	
		"	Claytoniana	
		Botrychium	Virginianum	
		"	Ternatum	
		"	Lunaria	
		"	Simplex	
		Ophioglossum	Vulgatum	
		Equisetum	Arvense	
		"	Sylvaticum	
		"	Limosum	
		"	Hyemale	
		"	Scirpoides	
		"	Variegatum	
		"	Palustre	
		Isoetes	Lacustris	
		"	Echinospora	
		"	Engelmanni	
		"	Riparia	
		"	Saccharata	
		"	Tuckermanni	
		"	Melanopoda	
		"	Butleri	
		"	Boottii	
		"	Macrospora	
		"	Stellata	
		"	Setacea	
		"	Foliosa	
		"	Riparia	
		"	Saccharata	
		"	Tuckermanni	
		"	Melanopoda	
		"	Butleri	
		"	Boottii	
		"	Macrospora	
		"	Stellata	
		"	Setacea	
		"	Foliosa	

Ranunculus	acris	
"	repens	
"	philonotis	
"	sceleratus	
Papaver	Rhoeas	
Nasturtium	officinale	×
Barbarea	praecox	
Sysymbrium	officinale	×
Teesdalea	coronopus	
"	pumilio/pinnatifida	×
Capsella	bursa-pastoris	×
Lepidium	sativum	
Cochlearia	armoracia	
Sinapis	nigra	
"	arvensis	
Brassica	napa	×
"	rapus	×
"	oleracea	×
"	Campestris	
Raphanus	Sativus	×
Polygala	myrtifolia	
Viola	Riviniana	×
Silene	gallica/quinquevulnera	×
Sychnis	Githago	
Stellaria	media	×
Arenaria	serpyllifolia	
Saponia	officinalis	
Elatine	Hydropiper	×
"	Hydropiperoides	×
Polycarpon	tetraphyllum	
Spergula	arvensis	
Portulaca	oleracea	
Hypericum	androsaemum	
"	perforatum	
"	pulchrum	
Malva	sylvestris	×
"	rotundifolia	×
Lavatera	arborea	
Lynum	usitatissimum	
Geranium	Robertianum	
Pelargonium	quercifolium	
Erodium	cicutarium	×
"	moschatum	
Ulex	europaeus	

Lotus	Corniculatus	
"	Major	
Trifolium	Pratense	*
"	Medium	*
"	Glomeratum	
"	Repens	*
"	Fimbriatum	*
"	Procumbens	*
Melilotus	Officinalis	
"	Arvensis	*
Medicago	Lupulina	*
"	Maculata	*
"	Denticulata	*
Coronilla	Pumata	
Robinia	Pseudacacia	
Vicia	Sativa	
"	Cuneata	
"	Tetraspenna	
Lathyrus	Odoratus	
Medicago	Lophantha	*
"	Arborea	
Astragalus	Glycifolius	*
Prunus	Cerasus	*
Rubus	Fruticosus	
"	Idaeus	*
Fragaria	Vesca	*
Alchemilla	Arvensis	
Rosa	Centifolia	*
"	Cinnamomea	*
"	Canina	
"	Indica	
"	Multiflora	*
Lythrum	Hyssopifolium	
Anethum	Graveolens	*
Apium	Petroselinum	
Foeniculum	Officinale	
Daucus	Carota	
Pastinaca	Sativa	
Coriandrum	Sativum	
Scandix	Pecten-Veneris	
Sambucus	Nigra	

Galium	Aparine
Hieracium	Pilosella
Fedia	olitoria
Saponaria	officinalis
Impatiens	Noli tangere
Bellis	perennis
Aegopodium	Podagraria
Bidens	pilosa
Anthemis	arvensis
"	nobilis
Achillaea	Millefolium
Matricaria	inodora
"	Chamomilla
Chrysanthemum	Leucanthemum
"	Segetum
Senecio	Vulgaris
"	Scandens
Achillea ptarmica	Ptarmica
Erythraea Centaurium	Centaurium
Centaurea	nigra
"	Jacea
"	Calcitrapa
Carduus	Lanceolatus
Silybum	Marianum
Lappa	Communis
Echinops	sphaerocephalus
Hypochaeris	glabra
"	Radicata
Prunella	vulgaris
Aparga	autumnalis
Tragopogon	minor
"	Pratensis
Helminthia	echioides
Sonchus	oleraceus
"	arvensis
Taraxacum	dens-leonis
Bo[illegible]	Taraxacifolia
"	glauca
Crepis	Virens
Hieracium	Pilosella
Anagallis	arvensis
Vinca	major
Erythraea	Centaurium
Symphytum	officinale
Echium	vulgare

Helianthemum	Alyssoides	
Ipomoea	batatas	
Jatropha	Manihot	
Jatropha	Janipha	
"	tuberosum	x
"	Virginianum	
"	nudiflorum	
Physalis	Alkekengi	
"	peruviana	x
Capsicum	annuum	
Lycopersicum	esculentum	
Datura	Stramonium	
Nicotiana	tabaccum	
Lycium	barbarum	
Verbascum	Thapsus	
"	Blattaria	
Veronica	Anagallis	x
"	Beccabunga	x
"	officinalis	
"	Chamaedrys	
Digitalis	purpurea	
Scabiosa	atropurpurea	
Verbena	officinalis	
Mentha	Aquatica	
"	piperita	
"	Pulegium	x
"	sylvestris	
Stachys	palustris	
Nepeta	Cataria	
Marrubium	vulgare	
Calamintha	Acinos	
Prunella	vulgaris	x
Scutellaria	galericulata	
Plantago	major	x
"	media	
"	Coronopus	x
Fagopyrum	esculentum	
Rumex	Acetosa	
"	Acetosella	x
"	crispus	x
"	obtusifolius	x
Chenopodium	Bonus Henricus	
"	urbicum	x
Blitum	Virgatum	x

Euxolus	viridis
Amaranthus	viridis
"	oleraceus
"	Blitum
"	sylvestris
"	caudatus
Euphorbia	Cyparissias
"	helioscopia
"	Peplus
Ricinus	Palma-Christi
Urtica	urens
"	dioica
Ficus	carica
Cannabis	sativa
Plagianthus	lucidus
Typha	Gustavsonica
Gladiolus	byzantinus
Antholyza	Ethiopica
Agave	americana
Colocasia	antiquorum
Cyclamen	Persicum
Sparaxis	tricolor
Allium	vineale
Asphodelus	fistulosus
Asparagus	officinalis
Cyperus	Eragrostis
Alopecurus	pratensis
"	agrestis
Phleum	pratense
Phalaris	Canariensis
Holcus	lanatus
"	mollis
Panicum	colonum
Setaria	viridis
"	Italica
Arundo	Donax
Agrostis	vulgaris
Bambusa	[illegible]
Cynodon	dactylon
Digitaria	sanguinalis
"	humifusa
Anthoxanthum	odoratum
Aira	caryophyllea
Avena	sativa
Poa	annua

Poa	pratensis
"	trivialis
Agrostis	Brownii
Aira	minor
"	maxima
Dactylis	glomerata
Cynosurus	cristatus
Festuca	bromoides
Bromus	erectus
"	sterilis
"	arvensis
"	commutatus
"	mollis
"	racemosus
"	arvensis
"	patulus
Phalaris	canariensis
Arundinaria	macrosperma
Lolium	perenne
"	italicum
"	temulentum
Triticum	sativum
Hordeum	sativum
"	murinum
Lepturus	incurvatus
Anthoxanthum	odoratum
Alopecurus	pratensis

Specimens of the following species requested.

Aquatica	Colensoi	/
Cunninghamii	Colorata	
Melobyles	Pinocrantha	
Pellopteris	Hillsiana	/
Epilobium	Billardieranum	
Secyos	Angulatus	
Panax	Colensoi	
"	discolor	/
Gaultheria	Littoralis	/
Leptanthus	decussatus	/
Coprosma	Rotundifolia	
Colensa	Plicatilis	
Gaultheria	Rupestris	
Dicksonia	Squarrosa	
Dracophyllum	Traversii	/
Myrsine	divaricata	
Dacrydium	Laxifolium	/
Phyllocladus	glauca	/
Adonis dubius	Gracilis	
Callixene	parviflora	
Arthropodium	candidum	
Myrsine	Pagenalis	
Schizeum	Rossii	
Carex	Gaudichaudiana	
Hymenophyllum	Flexuosa	
Fonnaria	bulbosa	
"	Elongata	
Polypodium	Pyllitidis	

Specimens of the following species required

Drimys axillaris
Cardamine stylosa
Viola filicaulis
Pittosporum tenuifolium
" Eustalium undum
Pomaderris Edgerleyi
Olearia Traversii
" Albiflora
Epilobium Billardierianum
Panicum Prachiatum
Lorantheus micranthus
Lupinus Arboreus
Olearia albida
Ozothamnus glomeratus
Raoulia tenuicaulis
Olea Cunninghamii
" lanceolata
Asperula perna nova-Zelandiæ
Fagus fusca
Libertia Ixioides
Cordyline Banksii
Scirpus riparius

Carex all.
Orcinia all.
Mcedana polygoda
Hymenophyllum all the Carex mes.
Trichomanes hemiphrone
" Thrichum
Lozerona pannyhamia
Lomaria nigra

Lord Dartrey

Pinyllia elevata Cyprus - Dascyllus Carabidae
Meteorideus bicolor M. albifrons Longicorn
Necrobia Parona & Oglobin & P. dissecta
Brachinus parallelus Bembidium Lebia
Trechus remondi Dromius Travassia
Some more Littoralia

Some embrowned flowers hydrangea Perhaps
Chris to enquire on account of the Cyprus being
Unpleasant

Rev. H. Bryan
Thomson Cooper -

Lower Dartrey Vol 4 to complete

Whangaroa Beach.

Dead Fish on the beach outside Maraiaa by Mousauds. Scrapper & Trevally amost numerous. Monkfish – John Dory, Barracouta Trost – one Kahawai – King Fish – all much decomposed.

Ranunculi

Salix alba – expanse of waters altered by the banks of the Wantsum – much more abundant than S. babylonica. – Potentilla pseudo anserina abundant forming grass – Achillea millefolium abundant on Stonehope Island. Hydrocharis Ranunculus near Lake Walden – abundant. Thelypteris limbosperma &c.

All the Islands in the Wantsum with Plenty of Cardamine –

Ranunculus paniculatus.

Specimens presented by S. W. Reddell

Spirula laevis
Atys Lubii
Bullia Quoyana
Murex Pantandicus
Trophon Etangeri
Ripellinea dilatata
" Rodrea
Buccinum Kurtzii lineata
" Martensiana
Buccinum macilatum
" Costulinea
" fimbrea
Purpura Hanleyi
Polytropa textilosa
" Succincta
" Quoyi
" Sp.
" Oreonica
Ancillaria australis
Volvaria fragilis
" gracilis
Triton olearium
Ranella reticulata

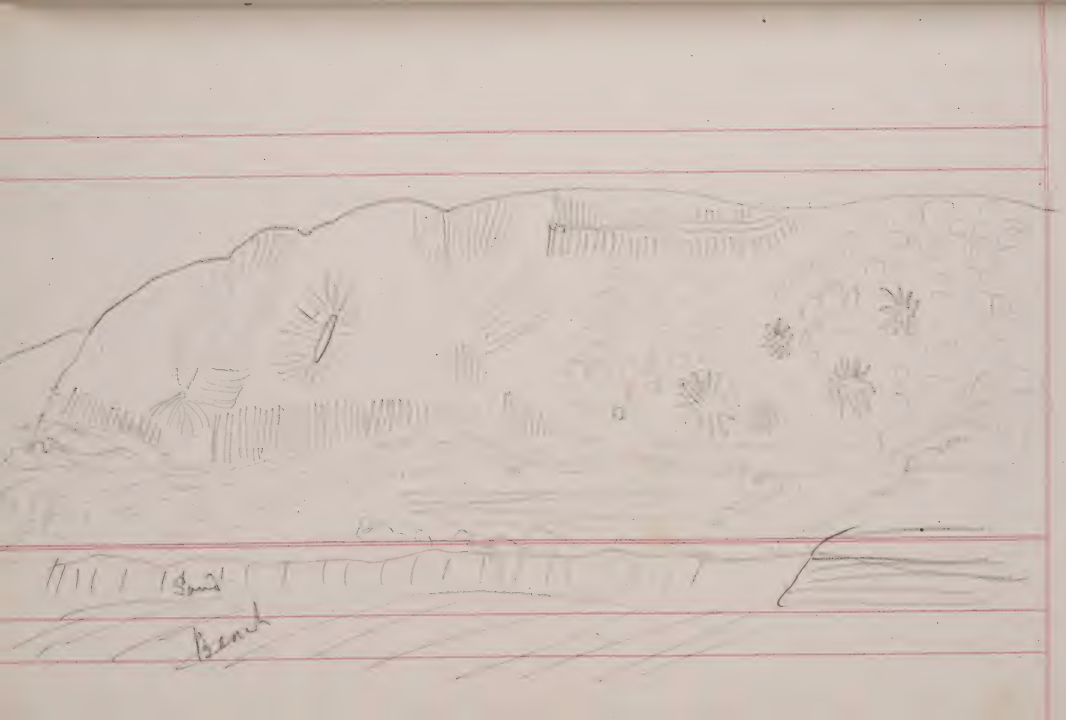
Dolium variegatum
Cassis pyrum
Strombus lavis pespelasi
Natica Zealandica
Cerithium decussatum
Littorina cincta
" cærulescens
Turritella radiata
Acmæa pileopsis
" fragilis
Nerita atrata
Turbo smaragdus
Delphinula atlantica
" nigerrima
" carinata
Zizyphinus Cunninghamii
" pumilio
Fissurella
Haliotis iris
Parmophorus nigricans
Patella aegyptiaca
" affinis
" pholidota
" Adriana

Patella denticulata
Chiton pellis-serpentis
" sulcatus
Acanthopleura sulcatus
Acanthochaetes zealandicus
Chaetopleura nobilis
Pholadidea spathulata
Panopea zealandica
Mactra discors
" angulatoradiata
Tonganella Taylori
Poamaena lineolata
Tellina alta
" diluvialis
Mesodesma novæ zealandiæ
" spissa
Cleone Sinclairensis
Artemis subrosea
Amphidesma latum
" ater
Pecten zealandiæ

Rockland's Mill Pennsa 3 x 3
Being a search for facts for Wm's page

Cave 75 yards long

Vocalist Coliseum
rotunda


Sand
Beach

Lieutenant Baruch, 1st N. Y.

Wilhelm Baruch.

Medo — 13 / 29

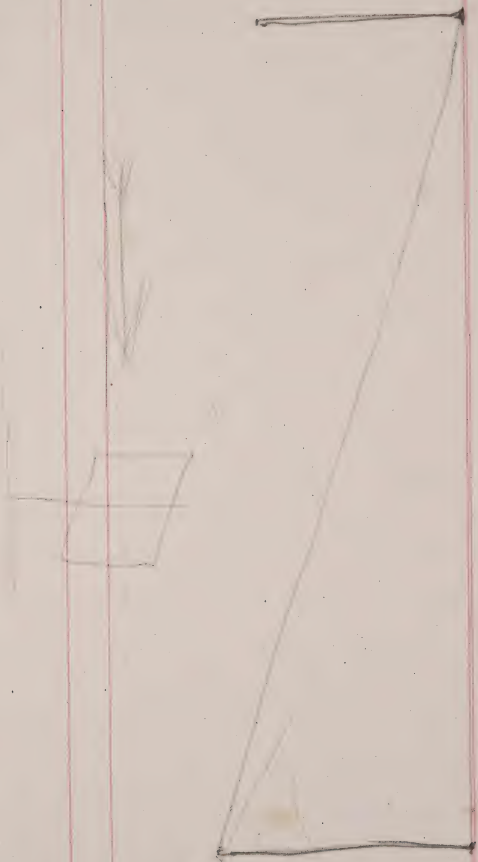
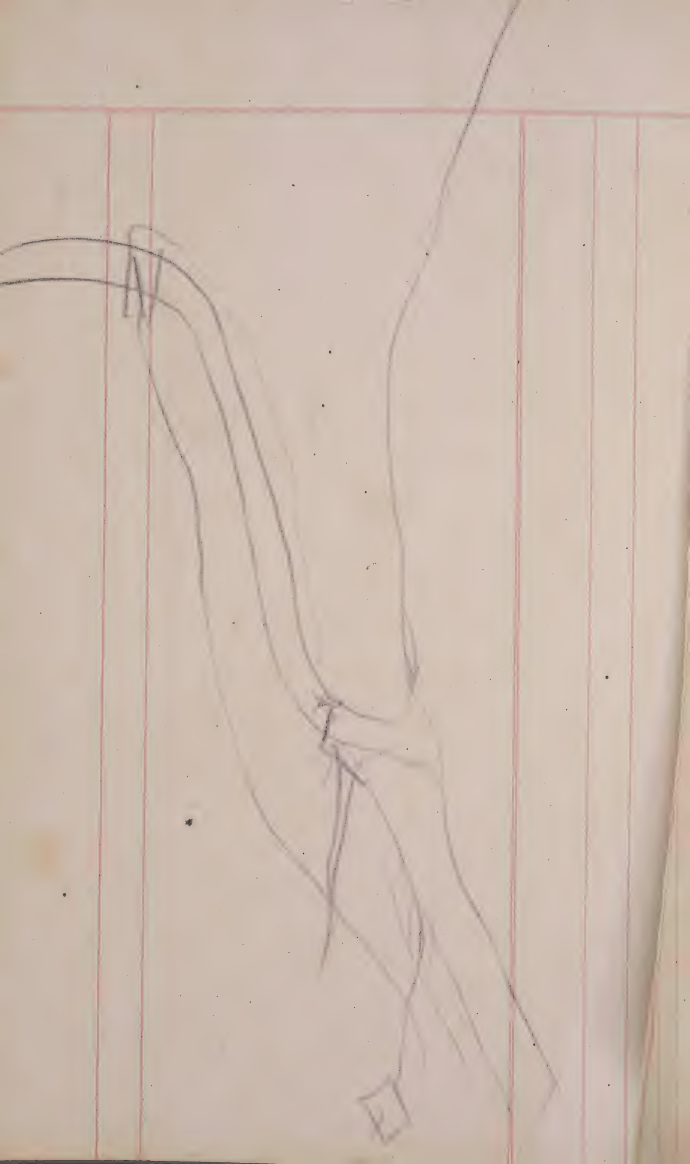
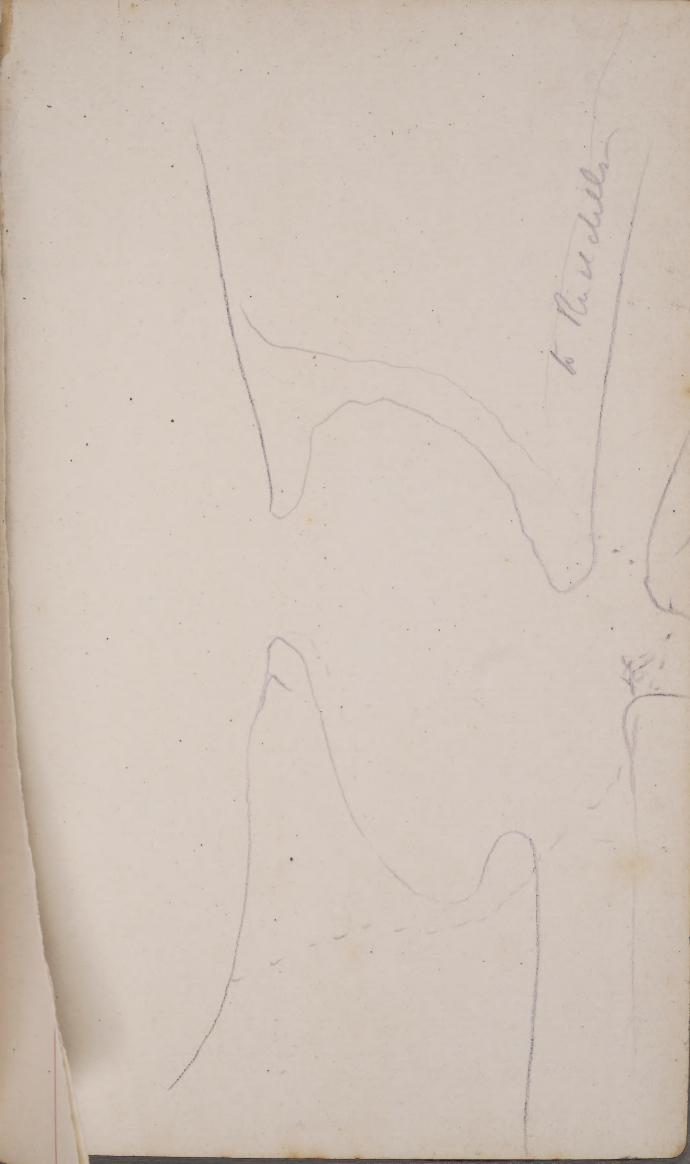
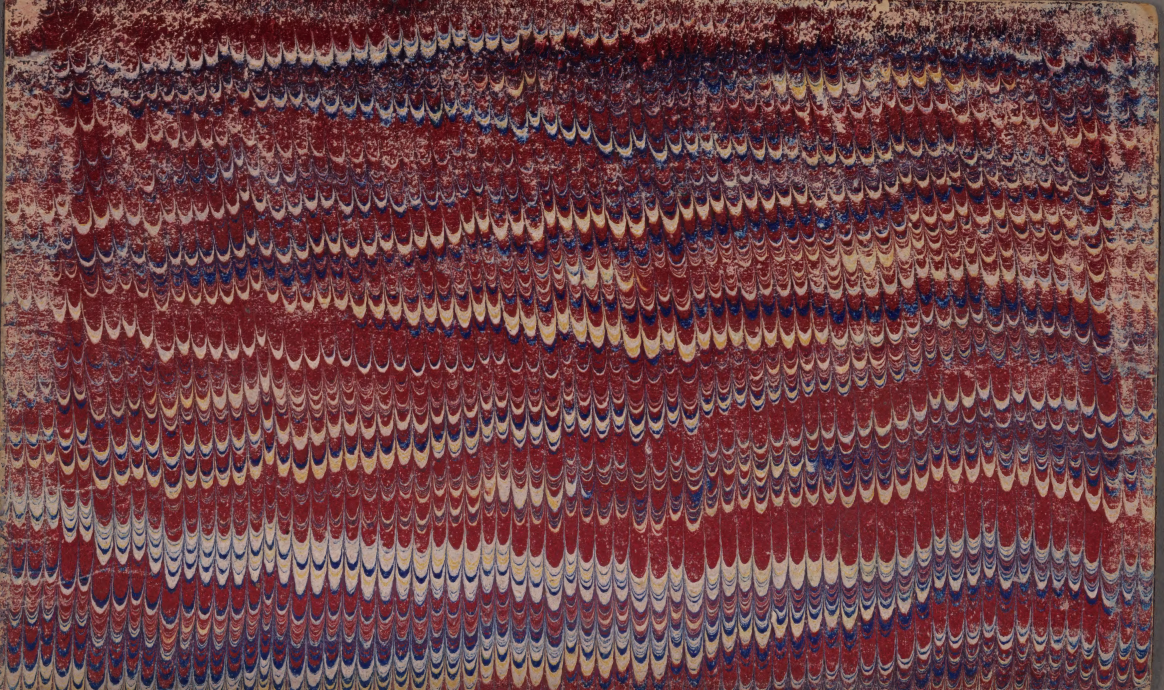
Medo — 6 - 0 / 5 / 2 - 6

7 - 6 / 28 | 8

= 1 - 8 - 6 / 6 / 16

1 - 13 - 6 / 3 / 10 - 6 / 3 - 9 / 1

$\frac{1-6y}{\frac{5}{2}=6}$ 7 3 $\frac{7/6-8}{13-6}$

72

$$\begin{array}{r} 51 \\ 17 \\ \hline 14 \end{array} \overline{)72} \quad \begin{array}{r} 2 \\ 70 \end{array}$$